



QUALITY REQUIREMENT INSTRUCTIONS For Level One Quality Requirements

201. Seller's Quality Control and Calibration System

The supplier shall maintain an inspection system which meets, or exceeds the requirements of MIL-I-45208A, Amendment 1, dated July 24, 1981. If requested on the Purchase Order, the seller shall submit a "controlled" copy of their Quality Assurance Manual and Procedures, as applicable within thirty (30) days after receipt of the Purchase Order. This manual must be current, and revisions, as applicable, must be submitted to the buyer throughout the life of the contract.

The purchaser reserves the right to perform on-sight audits with advanced notification.

The supplier shall be responsible for providing and ascertaining accuracy of tools, gauges, and inspection equipment to assure product conformity. A written schedule shall be maintained to provide for periodic inspection and calibration in accordance with MIL-STD-45662A.

202. Level 1 Requirements

This order has been designated Level 1 by the United States Navy.

- 202.1 Procedures – The subcontractor is to provide a copy of their Detailed procedures for the traceability control of the Level 1 material specified on the order, if not previously furnished. The procedures must cover the following area of concern:
- a. The Subcontractor is required to maintain traceability of each heat/lot or heat/heat code of material.
 - b. Parts made from different heats/lots or heats/heat codes must not be intermingled.
- 202.2 Traceability – Completed parts shipped to Custom Hydraulic must be positively identified with either the heat number or heat code in complete and legible marking. Any material received with illegible or incomplete marking will be rejected. The requirements for maintaining traceability imposed on Custom Hydraulic by contract, including DI-MISC-81020, and/or STR 505 are imposed on the subcontractor by this purchase order.

203. Certificate of Compliance

The seller shall submit a Certificate of Compliance for each shipment.

Each COC shall contain, as a minimum, the following:

- a. Our Purchase Order Number
- b. Quantity Supplied
- c. Material Heat/Lot Number. If Applicable
- d. Shelf life, Cure Date and Batch/Lot Number, if applicable
- e. Applicable Specification – This includes all revisions, amendments, changes and dates as depicted on our Purchase Order and applicable drawing.
- f. Typed/Printed Name, Signature and Title

- g. Date Shipped
- h. Our Part Number
- i. Positive Statement of Compliance - Such as "The reported results represent the actual attributes of the material furnished and indicate full compliance with all applicable specification and contract requirements." Statements such as "to the best of my knowledge" or "to the best of my belief" are **not acceptable**.
- j. Mercury Free Statement - The use of mercury, mercury compounds or mercury bearing instruments and/or equipment in a manner which might cause contamination in the manufacture, assembly or test of material on this contract is prohibited.

204. Objective Quality Evidence

Objective Quality Evidence (OQE) to actual piece/part/material is imperative. The evidence may consist of heat numbers, lot numbers, serial number or other appropriate means of positive identification.

In addition to the Certificate of Compliance, the seller shall include the following for each lot of material shipped, traceable to the heat and lot number or heat code:

- a. Mill Certification – Actual mill chemical and physical test reports which indicate strict conformance with the Purchase Order are required. Certifications must be of reproducible quality, on testing company's letterhead and identifiable with the specification test requirements and material submitted.
- b. Material Mechanical Properties – Yield strength method required by material specification shall be identified on certification. Elongation shall be reported on certification as 4D or 2 inch as applicable.
- c. Nondestructive Testing Report – (Radiography, Magnetic Particle, Dye Penetrant, Ultrasonic Inspections, etc.) shall be performed as required in accordance with Tech Pub 271, current revision, unless specified elsewhere in the Purchase Order. Actual NDT Reports as defined in Tech Pub 271 shall be submitted with certification.

Note: The Seller shall further certify that all requirements have been met. Procedures shall be pre-approved by the Buyer prior to any NDT or related processes.

- d. Heat Treatment Certification – Heat treating certifications shall include the identity of the heat treater, the time, date, and length of heat treatment, the heat treatment lot number, furnace identification, condition, quantity (including test pieces if required), heat numbers and item description. In addition, the autographic recorder rate shall be annotated.
- e. Sulfur Content- The sulfur content of gas and oil used in firing furnaces for forging, extruding or other hot working processes and for heat treatment of Ni-Cu, Cu-Ni and other nickel or nickel based alloys shall be limited and stated on certification records as follows:

- A) Gas: 30 grains per 100 cubic feet, maximum
- B) Oil: 1.5% by weight, maximum

f. **Functional Item Testing** – documentation per Purchase Order. One (1) copy of the above records MUST accompany shipment, or be emailed prior to shipments to docs@customhydraulic.com. Material lacking required certifications will be held at Receiving until proper certifications are received, reviewed and accepted.

Certifications and records shall be in accordance with Electric Boat Corporation's Specification EB 2678, Current Revision, which can be downloaded from www.gdeb.com under Supplier Quality. If unable to download, please contact Custom Hydraulic to receive a copy.

Dimensional Inspection Records, when invoked, are required to be provided at the time of shipment.

205. Corrections to Certifications

If corrections to certifications are required, the errored entry must have a single line through it, the correction entered aside the error, initials and date. Or, if the certification was corrected and re-issued, the original date must remain on the certification, a date of revision added and an asterisk next to the correction for identification.

The use of white-out is strictly prohibited.

206. Qualifying Country Material

Material supplied on this contract shall be in accordance with DFARS Clause 252.225-7008 / 252.225-7009, Restrictions on Acquisition of Specialty Metals and must be flowed down to all sub-tier suppliers. The clause does not apply to a specialty metal melted in a qualifying country or incorporated in an article manufactured in a qualifying country.

When foreign material is supplied, all certifications must be translated into English.

207. Record Retention

All records, including certifications, inspection records, SPC Data, etc., must be retained for seven (7) years minimum, **after the date of the last shipment**.

208. Information and Nonconformance Requests

If during contract review or production, the Seller requires information, interpretation or a waiver, it is required that the information be submitted in written format to the Buyer's attention via fax or e-mail. Nonconformances which affect fit, form or function or reliability of the end item or otherwise affect the terms of this order shall be referred in writing to the Buyer for disposition when it is believed that "use as is" or "use after repair" dispositions would be appropriate. Requests for acceptance of nonconforming supplies/material must contain information necessary to allow the Buyer to conduct analysis and disposition. All nonconforming material must be clearly segregated in the supplier's facility.

209. Drawings, Specifications and Standards

Pertinent drawings, specifications and standards may be issued with the Purchase Order as needed.

In cases where proprietary drawings are issued, the information contained therein may not, in whole or part, be reproduced or used for any other purpose, or disclosed to others without written authorization from the Buyer.

210. Welding and Related Processes

When authorized, welding and inspection shall be in accordance with Tech Pub 248, Tech Pub 278 and NAVSEA 0900-LP-001-7000, current revisions, or as dictated elsewhere in the Purchase Order.

All welding and brazing procedure and performance qualification shall be in accordance with Tech Pub 248, current revision, or as dictated elsewhere in the Purchase Order. Qualification data shall be submitted to the Buyer prior to any welding or related processes.

Welding Records shall include the following:

1. Joint identification
2. Joint Design
3. Base Material Type and Lot Number
4. Filler Material Type and Lot Number
5. Fit-Up
6. Welding Procedure Identification
7. Heat Treatments (including preheat, interpass and postweld heat treatment temperatures)
8. Welder Identification
9. NDT Methods and Results
10. Disposition of Welds
11. Cycles of Repairs to Weld
12. Inspection Procedures
13. NDT Personnel Identification

211. Malpractice prevention

The Seller must ensure that systems are available for the prevention and detection of deliberate malpractice. Examples are as follows:

1. Issuing procedures known to contain unauthorized deviations from requirements.
2. Deliberately or intentionally accepting unsatisfactory work.
3. Tampering with calibrated instruments in order to avoid rejection of work.
4. Falsifying dates on records to comply with frequency or deadline requirements.

212. First Piece Inspection

When invoked by the Purchase Order, the supplier will notify and submit to the Buyer the first acceptable unit for inspection and acceptance prior to proceeding with the contract if requested elsewhere in the Purchase Order. The Buyer will notify the supplier of its acceptance or rejection within 2 business days after receipt.

213. Receipt Information

213.1 Warehouse Receiving Inspection shall be performed upon receipt at the buyer's facility. This includes, but is not limited to:

1. Items are properly packaged, undamaged, identified and are of the correct type, quantity and condition as required by the Purchase Order.
2. Verify that supplier OQE has been received as required by the Purchase Order.
3. Verify that Material Certifications are attached as required by the Purchase Order.
4. Verify marking is as required by the Purchase Order.

213.2 Quality Assurance receipt Inspection will be performed at the Buyer's facility. This includes, but is not limited to:

1. Perform certification review to assure compliance with Purchase Order requirements.
2. Perform dimensional inspections to assure product conformity to drawings, specifications and plans. Sampling shall be in accordance with a sampling plan unless specified elsewhere in the Purchase Order.

214. Corrective Action Requests

When material is found to be discrepant, a Request for Corrective Action may be sent to the seller. The return of this request must be completed within the time specified.

The action must be effective and permanent in removing the cause of the defect. Such statements as "Cautioned the Operator" or " Changed the Drill" are not acceptable. However, changes in the written work instructions to include these warnings or directions may be acceptable. Failure to respond or abnormal delays is cause for refusal to accept further shipments or removal from our Approved Vendors List.

215. NOFORN

If invoked by the Purchase Order, Series 400 and 500 Forms must be completed prior to issuance of any drawing, specifications or standards and be returned to the Buyer.

216. Source Directed Component Procurement Requirements

The actual part number of the manufacturer/source must be supplied when requested. "Or equal" substitutes are prohibited unless specifically noted on the Purchase Order. All paperwork accompanying material must also reflect the manufacturer's part number.

217. Use of Custom Hydraulic's Gauges

If Custom Hydraulic supplies measuring and test equipment to a sub-tier supplier performing manufacturing work, the sub-tier supplier will return the measuring and test equipment upon completion of work. Or, if measuring and test equipment cannot be returned immediately, the sub-tier supplier will provide an inspection record of the dimensions inspected by the supplied measuring and test equipment. If vendor inspection records are supplied instead of the gauges, the vendor inspection records will be approved by the Quality Assurance Manager or designee prior to release of part into production.

218. Tooling Approval (Castings and Forgings)

Prior to proceeding with tooling for castings or forgings, the Seller shall submit a sample for dimensional inspection. Sample may be manufactured with contracted material, plaster or wax.

219. Seamless Pipe

Unless specifically authorized, only seamless tubing and pipe shall be used in items/components supplied. The Seller's material control system must assure that seamed pipe and tubing is controlled such that it cannot be mixed with seamless pipe and tubing. This material control requirement must be passed on to the supplier's mill or distribution sources and sub-tier suppliers.

220. Buyer's Source Inspection

The buyer reserves the right to inspect at source, supplies and services not manufactured or performed at the buyer's facility. In addition, the Seller is required to inform the Buyer of the tentative dates of the conductance of all tests applicable to this item at least seven (7) days in advance of such tests. The Seller is further required to inform the Buyer of any changes in the above test/inspection/operation scheduled; testing shall proceed unless otherwise notified by the Buyer. Witness of manufacturing processes and/or tests by the Buyer's Quality Assurance shall not be construed to indicate acceptance of the product. Evidence of Source Inspection shall normally accompany the shipment.

221. Government Source Inspection

The Government reserves the right to inspect at source, supplies and services not manufactured or

222. Preservation, Packaging and Shipment Instructions

222.1 Unless specified elsewhere in the Purchase Order, the following shall be invoked:

All material shall be preserved, packaged and packed to afford adequate protection against dust, moisture, rust, corrosion, deterioration and physical damage during shipment from the supply source to the user and for storage in a temperate climate for a minimum of one (1) month. Inlet and outlet connections on material and/or components shall be sealed to prevent entrance of foreign matter.

222.2 Partial deliveries of either line items or the entire Purchase Order are prohibited unless specified elsewhere in the Purchase Order. In the event partial shipments are made without approval, the material will be held at receiving until the order is completed.

222.3 All containers shipped to the Buyer's facility shall include the following information:

- a. Our Purchase Order Number
- b. Our Part Number
- c. Package Number

222.4 All shipping documents shall be located in container one (1), or in an attached envelope.

222.5 All loose material such as plate, burn-outs, etc. must be marked with our part number as a minimum.

223. Order of Precedence

As a general rule, the order of precedence is as follows:

- a. Purchase Order
- b. Drawings
- c. Specifications
- d. Other

The contract or purchase order takes precedence in conflicts and disputes, including existing specification requirements, including items from suppliers and subcontractors.

In cases where the Purchase Order is rated, the following clause is invoked:

- a. This is a rated order certified for National Defense use, and you are required to follow all of the provisions of the Defense Priorities and Allocations System Regulation (15 CFR Part 700).
- b. Copies of the DPAS regulations may be obtained by writing or calling the Office of Industrial Resource Administration, Room 3876, U.S. Department of Commerce, Washington, D.C. 20230 (Ref. DPAS), telephone (202) 377-4506. Alternatively, the regulations may be found in many Public Libraries or any Law Office.
- c. There are two types of priority ratings: DO and DX. DO rated orders take precedence over unrated defense or commercial orders you now have in hand or may receive prior to the completion of this Purchase Order. DX rated orders take precedence over DO rated orders.
- d. All Government rated orders must be scheduled realistically. If you or your suppliers have difficulty obtaining the materials

required to complete this Purchase Order on schedule, expediting assistance can be obtained by submitting a Request for Special Priorities Assistance (Form ITA-999) to the Department of Defense Contract Management Organization Area office administering the prime contract. The Buyer can provide assistance in the submittal. Immediate notification of any recognized potential delay (and the cause therefore) which would jeopardize meeting

the required delivery date(s) of the Purchase Order must be made by the Seller to the Buyer.

224. Cyber Security

Federal Acquisition Regulation (FAR) 204.73 requires that all companies maintain accurate security to safeguard unclassified controlled technical information on their unclassified information systems from unauthorized access and disclosure.

Contractors must report to DoD, cyber incidents that affect unclassified controlled technical information resident on, or transitioning contractor unclassified information systems. Detailed reporting criteria and requirements are set forth in the clause 252.204-7012, entitled "Safeguarding of Unclassified Controlled Technical Information".

225. Vendor Survey Report

If not previously furnished, the subcontractor must complete a Vendor Survey Report and fax to Custom Hydraulic @ 253-854-4674, Attn: Quality Assurance Dept. If you are unsure if this has been completed for your company, or to request a Vendor Survey Report, please contact docs@customhydraulic.com

226. Customer Supplied Material

Material being supplied by Custom Hydraulic & Machine for processing on this purchase order shall be returned without substitution.